

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	2935349
<b>Application Number:</b>	10726118
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	4785
<b>Title of Invention:</b>	APPARATUS AND METHOD FOR PERFORMING CHANNEL ESTIMATION IN AN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYSTEM USING MULTIPLE ANTENNAS
<b>First Named Inventor/Applicant Name:</b>	Seung-Hoon Nam
<b>Customer Number:</b>	66547
<b>Filer:</b>	Paul J. Farrell/Deanna Marman
<b>Filer Authorized By:</b>	Paul J. Farrell
<b>Attorney Docket Number:</b>	678-1220
<b>Receipt Date:</b>	29-FEB-2008
<b>Filing Date:</b>	02-DEC-2003
<b>Time Stamp:</b>	17:13:23
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 1900
RAM confirmation Number	2662
Deposit Account	
Authorized User	

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
-----------------	----------------------	-----------	----------------------------------	------------------	------------------

1	Issue Fee Payment (PTO-85B)	Issue_Fee_Transmittal.pdf	91430	no	1
			23dd7b7dee862f34c6818349685ff74ec900c6c7		
Warnings:					
Information:					
2	Information Disclosure Statement Letter	Supplemental_IDS.pdf	87923	no	3
			5fbdb36f4c4418f18efc6264527e6fd9320cc48d		
Warnings:					
Information:					
3	Petition for review by the Office of Petitions.	Petition.pdf	45931	no	2
			d0ec9c25b143207c7a3d31b94fcd9ed10c5a5dea		
Warnings:					
Information:					
4	Foreign Reference	WO_0107192.pdf	1415180	no	38
			bba12bc212a4c518eeda4433b3dfd68a9666662d		
Warnings:					
Information:					
5	Foreign Reference	JP_2001268048.pdf	630353	no	12
			17a695387daa94c832514d4616a5b7bcb96ee9e		
Warnings:					
Information:					
6	Foreign Reference	JP_2002118534.pdf	779733	no	10
			9263584b7e9e09033cbefdf334499367c5de5fc1		
Warnings:					
Information:					
7	NPL Documents	JP_OA.pdf	26838	no	1
			c52edff3b6499d5b7112f6ae13f5601ec6f71f89		
Warnings:					
Information:					
8	Fee Worksheet (PTO-06)	fee-info.pdf	8693	no	2
			4539d8f993e8c8bbde1bba334eaa1a701fd8b7a		
Warnings:					
Information:					
Total Files Size (in bytes):			3086081		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.